



Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/872,397
				Filing Date	May 31, 2001
				First Named Inventor	Eugene HOGENAUER
				Art Unit	2193
				Examiner Name	William Wood
Sheet	1	of	22	Attorney Docket Number	046301/014000 QST-014 US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number – Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US 3,409,175	11-05-1968	Byrne	
	2.	US 3,666,143	05-30-1972	Weston	
	3.	US 3,938,639	02-17-1976	Birrell	
	4.	US 3,949,903	04-13-1976	Benasutti et al.	
	5.	US 3,960,298	06-01-1976	Birrell	
	6.	US 3,967,062	06-29-1976	Dobias	
	7.	US 3,991,911	11-16-1976	Shannon et al.	
	8.	US 3,995,441	12-07-1976	McMillin	
	9.	US 4,076,145	02-28-1978	Zygiel, deceased	
	10.	US 4,143,793	03-13-1979	McMillin et al.	
	11.	US 4,172,669	10-30-1979	Edelbach	
	12.	US 4,174,872	11-20-1979	Fessler	
	13.	US 4,181,242	01-01-1980	Zygiel, deceased et al.	
	14.	US 4,218,014	08-19-1980	Tracy	
	15.	US 4,222,972	09-16-1980	Caldwell	
	16.	US 4,237,536	12-02-1980	Enelow et al.	
	17.	US 4,252,253	02-24-1981	Shannon	
	18.	US 4,302,775	11-24-1981	Widergren et al.	
	19.	US 4,333,587	06-08-1982	Fessler et al.	
	20.	US 4,354,613	10-19-1982	Desai et al.	
	21.	US 4,377,246	03-22-1983	McMillin et al.	
	22.	US 4,393,468	07-12-1983	New	
	23.	US 4,413,752	11-08-1983	McMillin et al.	
	24.	US 4,458,584	07-10-1984	Annese et al.	
	25.	US 4,466,342	08-21-1984	Basile et al.	
	26.	US 4,475,448	10-09-1984	Shoaf et al.	
	27.	US 4,509,690	04-09-1985	Austin et al.	
	28.	US 4,520,950	06-04-1985	Jeans	
	29.	US 4,549,675	10-29-1985	Austin	
	30.	US 4,553,573	11-19-1985	McGarrah	
	31.	US 4,560,089	12-24-1985	McMillin et al.	
	32.	US 4,577,782	03-25-1986	Fessler	
	33.	US 4,578,799	03-25-1986	Scholl et al.	
	34.	US 4,633,386	12-30-1986	Terepin et al.	
	35.	US 4,658,988	04-21-1987	Hassell	
	36.	US 4,694,416	09-15-1987	Wheeler et al.	
	37.	US 4,711,374	12-08-1987	Gaunt et al.	

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	38.	US 4,713,755	12-15-1987	Worley, Jr. et al.	
	39.	US 4,719,056	01-12-1988	Scott	
	40.	US 4,726,494	02-23-1988	Scott	
	41.	US 4,747,516	05-31-1988	Baker	
	42.	US 4,748,585	05-31-1988	Chiarulli et al.	
	43.	US 4,760,525	07-26-1988	Webb	
	44.	US 4,760,544	07-26-1988	Lamb	
	45.	US 4,765,513	08-23-1988	McMillin et al.	
	46.	US 4,766,548	08-23-1988	Cedrone et al.	
	47.	US 4,781,309	11-01-1988	Vogel	
	48.	US 4,800,492	01-24-1989	Johnson et al.	
	49.	US 4,811,214	03-07-1989	Nosenchuck et al.	
	50.	US 4,824,075	04-25-1989	Holzboog	
	51.	US 4,827,426	05-02-1989	Patton et al.	
	52.	US 4,850,269	07-25-1989	Hancock et al.	
	53.	US 4,856,684	08-15-1989	Gerstung	
	54.	US 4,901,887	02-20-1990	Burton	
	55.	US 4,921,315	05-01-1990	Metcalfe et al.	
	56.	US 4,930,666	06-05-1990	Rudick	
	57.	US 4,932,564	06-12-1990	Austin, deceased et al.	
	58.	US 4,936,488	06-26-1990	Austin	
	59.	US 4,937,019	06-26-1990	Scott	
	60.	US 4,960,261	10-02-1990	Scott, et al.	
	61.	US 4,961,533	10-09-1990	Teller et al.	
	62.	US 4,967,340	10-30-1990	Dawes	
	63.	US 4,974,643	12-04-1990	Bennett et al.	
	64.	US 4,982,876	01-08-1991	Scott	
	65.	US 4,993,604	02-19-1991	Gaunt et al.	
	66.	US 5,007,560	04-16-1991	Sassak	
	67.	US 5,021,947	06-04-1991	Campbell et al.	
	68.	US 5,040,106	08-13-1991	Maag	
	69.	US 5,044,171	09-03-1991	Farkas	
	70.	US 5,090,015	02-18-1992	Dabbish et al.	
	71.	US 5,129,549	07-14-1992	Austin	
	72.	US 5,139,708	08-18-1992	Scott	
	73.	US 5,156,301	10-20-1992	Hassell et al.	
	74.	US 5,156,871	10-20-1992	Goulet et al.	

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	75.	US 5,165,575	11-24-1992	Scott	
	76.	US 5,190,083	03-02-1993	Gupta et al.	
	77.	US 5,190,189	03-02-1993	Zimmer et al.	
	78.	US 5,193,151	03-09-1993	Jain	
	79.	US 5,193,718	03-16-1993	Hassell et al.	
	80.	US 5,202,993	04-13-1993	Tarsy et al.	
	81.	US 5,203,474	04-20-1993	Haynes	
	82.	US 5,240,144	08-31-1993	Feldman	
	83.	US 5,261,099	11-09-1993	Bigo et al.	
	84.	US 5,263,509	11-23-1993	Cherry et al.	
	85.	US 5,269,442	12-14-1993	Vogel	
	86.	US 5,280,711	01-25-1994	Motta et al.	
	87.	US 5,297,400	03-29-1994	Benton et al.	
	88.	US 5,301,100	04-05-1994	Wagner	
	89.	US 5,303,846	04-19-1994	Shannon	
	90.	US 5,335,276	08-02-1994	Thompson et al.	
	91.	US 5,339,428	08-16-1994	Burmeister et al.	
	92.	US 5,343,716	09-06-1994	Swanson et al.	
	93.	US 5,361,362	11-01-1994	Benkeser et al.	
	94.	US 5,368,198	11-29-1994	Goulet	
	95.	US 5,379,343	01-03-1995	Grube et al.	
	96.	US 5,381,546	01-10-1995	Servi et al.	
	97.	US 5,381,550	01-10-1995	Jourdenais et al.	
	98.	US 5,388,212	02-07-1995	Grube et al.	
	99.	US 5,392,960	02-28-1995	Kendt et al.	
	100.	US 5,437,395	08-01-1995	Bull et al.	
	101.	US 5,450,557	09-12-1995	Kopp et al.	
	102.	US 5,454,406	10-03-1995	Rejret et al.	
	103.	US 5,465,368	11-07-1995	Davidson et al.	
	104.	US 5,479,055	12-26-1995	Eccles	
	105.	US 5,490,165	02-06-1996	Blakeney II et al.	
	106.	US 5,491,823	02-13-1996	Ruttenberg	
	107.	US 5,507,009	04-09-1996	Grube et al.	
	108.	US 5,515,519	05-07-1996	Yoshioka et al.	
	109.	US 5,517,600	05-14-1996	Shimokawa	
	110.	US 5,519,694	05-21-1996	Brewer et al.	
	111.	US 5,522,070	05-28-1996	Sumimoto	

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	112.	US 5,530,964	06-25-1996	Alpert et al.	
	113.	US 5,534,796	07-09-1996	Edwards	
	114.	US 5,542,265	08-06-1996	Rutland	
	115.	US 5,553,755	09-10-1996	Bonewald et al.	
	116.	US 5,555,417	09-10-1996	Odnert et al.	
	117.	US 5,560,028	09-24-1996	Sachs et al.	
	118.	US 5,560,038	09-24-1996	Haddock	
	119.	US 5,570,587	11-05-1996	Kim	
	120.	US 5,572,572	11-05-1996	Kawan et al.	
	121.	US 5,590,353	12-31-1996	Sakakibara et al.	
	122.	US 5,594,657	01-14-1997	Cantone et al.	
	123.	US 5,600,810	02-04-1997	Ohkami	
	124.	US 5,600,844	02-04-1997	Shaw et al.	
	125.	US 5,602,833	02-11-1997	Zehavi	
	126.	US 5,603,043	02-11-1997	Taylor et al.	
	127.	US 5,607,083	03-04-1997	Vogel et al.	
	128.	US 5,608,643	03-04-1997	Wichter et al.	
	129.	US 5,611,867	03-18-1997	Cooper et al.	
	130.	US 5,623,545	04-22-1997	Childs et al.	
	131.	US 5,625,669	04-29-1997	McGregor et al.	
	132.	US 5,626,407	05-06-1997	Westcott	
	133.	US 5,630,206	05-13-1997	Urban et al.	
	134.	US 5,635,940	06-03-1997	Hickman et al.	
	135.	US 5,646,544	07-08-1997	Iadanza	
	136.	US 5,646,545	07-08-1997	Trimberger et al.	
	137.	US 5,647,512	07-15-1997	Assis Mascarenhas deOliveira et al.	
	138.	US 5,667,110	09-16-1997	McCann et al.	
	139.	US 5,684,793	11-04-1997	Kiema et al.	
	140.	US 5,684,980	11-04-1997	Casselman	
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	142.	US 5,694,613	12-02-1997	Suzuki	
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	144.	US 5,699,328	12-16-1997	Ishizaki et al.	
	145.	US 5,701,482	12-23-1997	Harrison et al.	
	146.	US 5,704,053	12-30-1997	Santhanam	
	147.	US 5,706,191	01-06-1998	Bassett et al.	

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	148.	US 5,706,976	01-13-1998	Purkey	
	149.	US 5,712,996	01-27-1998	Schepers	
	150.	US 5,720,002	02-17-1998	Wang	
	151.	US 5,721,693	02-24-1998	Song	
	152.	US 5,721,854	02-24-1998	Ebicioğlu et al.	
	153.	US 5,732,563	03-31-1998	Bethuy et al.	
	154.	US 5,734,808	03-31-1998	Takeda	
	155.	US 5,737,631	04-07-1998	Trimberger	
	156.	US 5,742,180	04-21-1998	DeHon et al.	
	157.	US 5,742,821	04-21-1998	Prasanna	
	158.	US 5,745,366	04-28-1998	Highma et al.	
	159.	US 5,751,295	05-12-1998	Becklund et al.	
	160.	US 5,754,227	05-19-1998	Fukuoka	
	161.	US 5,758,261	05-26-1998	Weideman	
	162.	US 5,768,561	06-16-1998	Wise	
	163.	US 5,778,439	07-07-1998	Trimberger et al.	
	164.	US 5,784,636	07-21-1998	Rupp	
	165.	US 5,787,237	07-28-1998	Reilly	
	166.	US 5,790,817	08-04-1998	Asghar et al.	
	167.	US 5,791,517	08-11-1998	Avital	
	168.	US 5,791,523	08-11-1998	Oh	
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	170.	US 5,794,067	08-11-1998	Kadowaki	
	171.	US 5,802,055	09-01-1998	Krein et al.	
	172.	US 5,818,603	10-06-1998	Motoyama	
	173.	US 5,822,308	10-13-1998	Weigand et al.	
	174.	US 5,822,313	10-13-1998	Malek et al.	
	175.	US 5,822,360	10-13-1998	Lee et al.	
	176.	US 5,828,858	10-27-1998	Athanas et al.	
	177.	US 5,829,085	11-03-1998	Jerg et al.	
	178.	US 5,835,753	11-10-1998	Witt	
	179.	US 5,838,165	11-17-1998	Chatter	
	180.	US 5,845,815	12-08-1998	Vogel	
	181.	US 5,860,021	01-12-1999	Klingman	
	182.	US 5,862,961	01-26-1999	Motta et al.	
	183.	US 5,870,427	02-09-1999	Teidemann, Jr. et al.	
	184.	US 5,873,045	02-16-1999	Lee et al.	

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	185.	US 5,881,106	03-09-1999	Cartier	
	186.	US 5,884,284	03-16-1999	Peters et al.	
	187.	US 5,886,537	03-23-1999	Macias et al.	
	188.	US 5,887,174	03-23-1999	Simons et al.	
	189.	US 5,889,816	03-30-1999	Agrawal et al.	
	190.	US 5,890,014	03-30-1999	Long	
	191.	US 5,892,900	04-06-1999	Ginter et al.	
	192.	US 5,892,961	04-06-1999	Trimberger	
	193.	US 5,894,473	04-13-1999	Dent	
	194.	US 5,901,884	05-11-1999	Goulet et al.	
	195.	US 5,903,886	05-11-1999	Heimlich et al.	
	196.	US 5,907,285	05-25-1999	Toms et al.	
	197.	US 5,907,580	05-25-1999	Cummings	
	198.	US 5,910,733	06-08-1999	Bertolet et al.	
	199.	US 5,912,572	06-15-1999	Graf, III	
	200.	US 5,913,172	06-15-1999	McCabe et al.	
	201.	US 5,917,852	06-29-1999	Butterfield et al.	
	202.	US 5,920,801	07-06-1999	Thomas et al.	
	203.	US 5,931,918	08-03-1999	Row et al.	
	204.	US 5,933,642	08-03-1999	Greenbaum et al.	
	205.	US 5,940,438	08-17-1999	Poon et al.	
	206.	US 5,949,415	09-07-1999	Lin et al.	
	207.	US 5,950,011	09-07-1999	Albrecht et al.	
	208.	US 5,950,131	09-07-1999	Vilmur	
	209.	US 5,951,674	09-14-1999	Moreno	
	210.	US 5,953,322	09-14-1999	Kimball	
	211.	US 5,956,518	09-21-1999	DeHon et al.	
	212.	US 5,956,967	09-28-1999	Kim	
	213.	US 5,959,811	09-28-1999	Richardson	
	214.	US 5,959,881	09-28-1999	Trimberger et al.	
	215.	US 5,963,048	10-05-1999	Harrison et al.	
	216.	US 5,966,534	10-12-1999	Cooke et al.	
	217.	US 5,970,254	10-19-1999	Cooke et al.	
	218.	US 5,987,105	11-16-1999	Jenkins et al.	
	219.	US 5,987,611	11-16-1999	Freund	
	220.	US 5,991,302	11-23-1999	Berl et al.	
	221.	US 5,991,308	11-23-1999	Fuhrmann et al.	

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Examiner Initials ¹	Cite No. ²	U.S. Patent Document Number - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	223.	US 5,999,734	12-07-1999	Willis et al.	
	224.	US 6,005,943	12-21-1999	Cohen et al	
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	226.	US 6,016,395	01-18-2000	Mohamed	
	227.	US 6,021,186	02-01-2000	Suzuki et al	
	228.	US 6,021,492	02-01-2000	May	
	229.	US 6,023,742	02-08-2000	Ebeling et al.	
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	239.	US 6,055,314	04-25-2000	Spies et al.	
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	241.	US 6,059,840	05-09-2000	Click, Jr.	
	242.	US 6,061,580	05-09-2000	Altschul et al.	
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	246.	US 6,085,740	07-11-2000	Ivri et al.	
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/872,397
				Filing Date	May 31, 2001
				First Named Inventor	Eugene HOGENAUER
				Art Unit	2193
				Examiner Name	William Wood
Sheet	8	of	22	Attorney Docket Number	046301/014000 QST-014 US

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				Application Number	09/872,397
				Filing Date	May 31, 2001
				First Named Inventor	Eugene HOGENAUER
				Art Unit	2193
				Examiner Name	William Wood
Sheet	9	of	22	Attorney Docket Number	046301/014000 QST-014 US

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	315.	US 6,408,039	B1	06-18-2002	Ito	
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				Application Number	09/872,397
				Filing Date	May 31, 2001
				First Named Inventor	Eugene HOGENAUER
				Art Unit	2193
Examiner Name	William Wood				
Attorney Docket Number	046301/014000 QST-014 US				
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	343.	US 6,640,304	B2	10-28-2003	Ginter et al.	
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	359.	US 6,785,341	B2	08-31-2004	Walton et al.	
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				Art Unit	2193
Examiner Name	William Wood				
Attorney Docket Number	046301/014000 QST-014 US				
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				Application Number	09/872,397	
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					First Named Inventor	Eugene HOGENAUER
					Art Unit	2193
					Examiner Name	William Wood
					Attorney Docket Number	046301/014000 QST-014 US

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		Number – Kind Code ² (if known)				
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			
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	490.	JP 7-064789		03-10-1995	Yasunobu	Abstract in English
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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				Application Number	09/872,397
				Filing Date	May 31, 2001
				First Named Inventor	Eugene HOGENAUER
				Art Unit	2193
Examiner Name	William Wood				
Sheet	20	of	22	Attorney Docket Number	046301/014000 QST-014 US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	72
	582.	LEE & MESSERSCHMITT, "Synchronous Data Flow," Proceedings of the IEEE 75(9):1235–1245 (Sep. 1987)	
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	615.	WWW.BESTROM.COM, BreakMate™ from www.bestrom.com printed on April 29, 2008		
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